	Туре	L#	Pits	Search T xt	DBs	Tim Stamp
1	BRS	L1	64435	hierarch\$6	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:35
2	BRS	L2	1984	1 and (multiple or number or plurality or multi) adj hierarch\$6	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:31
3	BRS	L3	4047	1 and (multiple or number or plurality or multi) adj2 (hierarch\$5 or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:38
4	BRS	L4	169392	hierarch\$6 or tree	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:36
5	BRS	<b>L</b> 5	6088	4 and (multiple or number or plurality or multi) adj2 (hierarch\$5 or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:01

	Туре	L#	Pits	Search Text	DBs	Tim Stamp
6	BRS	L6	835		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:41
7	BRS	L7	836		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:45
8	BRS	L8	50	7 and ((identification or ID or identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:08
9	BRS	L9	2342	1 and ("more" adj4 hierarch\$5)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:54
10	BRS	L10	0	1 and ("one or more" adj4 hierarch\$5)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:56

	Туре	L#	Pits	S arch Text	DBs	Time Stamp
11	BRS	L11	0	"one or more" adj4 hierarch\$5	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:57
12	BRS	L12	818		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:58
13	BRS	L13	240	12 and (707/\$.ccls. or 709/\$.ccls.)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:59
14	BRS	L14	6647	4 and (multiple or number or plurality or multi or ("one" adj "more")) adj2 (hierarch\$5 or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:34
15	BRS	L15	1008	14 and ((multiple or number or plurality or multi or ("one" adj "more")) adj node)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:07

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16	BRS	L16	317	15 and node same parent same child\$4	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:44
17	BRS	L17	33	16 and ((identification or ID or identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:34
18	BRS	L18	2042	(multiple or plurality or multi or	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:39
19	BRS	L19	37	18 and ((identification or ID or identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:42
20	BRS	L20	115	(multiple or plurality or multi or ("one" adj "more")) adj (hierarch\$5 or tree) adj structure	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:42

	Туре	L#	Pits	Search T xt	DBs	Time Stamp
21	BRS	L21	5	20 and ((identification or ID or identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:43
22	BRS	L22	4	21 and node same parent same child\$4	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:44
23	BRS	L23	5	21 and nodes!	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:44
24	BRS	L24	4	23 and node and parent and child\$4	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:45
25	BRS	L25	4	23 and node and parent and (child\$4 or sibling)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:46

_	Туре	L#	rits	Search Text	DBs	Time Stamp
26	BRS	L26	5	23 and node and parent	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:46
27	BRS	L27	4	23 and node and parent and leaf	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:46

	Туре	L#	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	64435	hierarch\$6	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:35
2	BRS	L2	1984	1 and (multiple or number or plurality or multi) adj hierarch\$6	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:31
3	BRS	L3	4047	1 and (multiple or number or plurality or multi) adj2 (hierarch\$5 or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:38
4	BRS	L4	169392		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:36
5	BRS	L5	6088	4 and (multiple or number or plurality or multi) adj2 (hierarch\$5 or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:53

	Туре	L#	Hits	Search Text	DBs	Time Stamp
6	BRS	L6	835	5 and node and parent and child	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:41
7	BRS	<b>L7</b>	836	5 and node and parent and child\$4	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:41
8	BRS	L8	50	7 and ((identification or ID or identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:43
9	BRS	<b>L</b> 9	2342		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:54
10	BRS	L10	0	1 and ("one or more" adj4 hierarch\$5)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:56

	Туре	L#	Hits	Search Text	DBs	Time Stamp
11	BRS	L11	0	"one or more" adj4 hierarch\$5	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:57
12	BRS	L12	818	"one" adj "more" adj4 hierarch\$5	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:58
13	BRS	L13	240	12 and (707/\$.ccls. or 709/\$.ccls.)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:59

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## **Patent Assignment Abstract of Title**

**Total Assignments: 1** 

Applicati n #: 09544253 Filing Dt: 04/05/2000 Patent #: NONE Issue Dt:
PCT #: NONE Publicati n #: NONE Pub Dt:

Inventors: Gopal Parupudi, Stephen S. Evans, Burdette J. Holtgrewe, Edward F. Reus

Title: Context aware systems and methods utilizing hierarchical tree structures

Assignment: 1

**Reel/Frame:** 010936/0317 Received: Recorded: Mailed: Pages: 07/26/2000 06/26/2000 09/12/2000 5

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: PARUPUDI, GOPAL Exec Dt: 06/19/2000

EVANS, STEPHEN S. Exec Dt: 06/15/2000

HOLTGREWE, BURDETTE J. Exec Dt: 06/07/2000

<u>REUS, EDWARD F.</u> **Exec Dt:** 06/07/2000

Assignee: MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

Correspondent: LEE & HAYES, PLLC

LANCE R. SADLER

421 W. RIVERSIDE AVE

SUITE 500

SPOKANE, WA 99201

Search Results as of: 4/30/2003 2:28:47 P.M.

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Web interface last modified: Oct. 5, 2002

## **Patent Assignment Assignor Details**

Assignor Name: PARUPUDI, GOPAL

T tal Assignments: 14

Assignment: 1

**Reel/Frame**: <u>009793/0656</u> **Received**:

Recorded:

Mailed:

Pages:

03/08/1999

02/23/1999

05/24/1999

uges.

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 02/22/1999

2 GOERTZEL, MARIO C.

Exec Dt: 02/22/1999

3 SRINIVAS, MURTHY

Exec Dt: 02/22/1999

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT #

Pat #

Pub#

09256624 NONE

NONE

Correspondence name and address

THE LAW OFFICES OF ALBERT S. MICHALIK

ALBERT S. MICHALIK

704-228TH AVE. NE

**SUITE 193** 

REDMOND, WA 98053

Assignment: 2

Reel/Frame: 010056/0440 Received:

Recorded:

Mailed:

Pages:

07/01/1999

06/22/1999

08/31/1999

6

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 GRAMBIHLER, ROGER F.

Exec Dt: 06/21/1999

2 LIU, CHAO-CHIA

Exec Dt: 06/21/1999

3 SRINIVAS, MURTHY

Exec Dt: 06/21/1999

4 STROM, SUSAN E.

**Exec Dt:** 06/21/1999

5 PARUPUDI, GOPAL

Exec Dt: 06/21/1999

6 PLASTINA, DANIEL

Exec Dt: 06/21/1999

O TENSTINA, BANTLE

Exec Dt: 06/21/1999

**7** CORRINGTON, ROBERT E.

Assignee

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

**BELLEVUE, WASHINGTON 98052** 

Pr perty

**App # PCT #** 09338352 NONE

Pat # NONE

Pub # NONE

b

Correspondence name and address

h g h ff

MICHALIK & WYLIE, PLLC ALBERT S. MICHALIK 14645 BEL-RED ROAD, SUITE 103 BELLEVUE, WA 98007

Assignment: 3

Reel/Frame: 010624/0810 Received: Recorded: Mailed: Pages: 7

05/15/2000 02/04/2000 05/16/2000

C nveyance: CORRECTIVE ASSIGNMENT TO CORRECT ASSIGNEE'S ADDRES RECORDED AT REEL 010056

FRAME 0440

**Assignors** 

1 GRAMBIHLER, ROGER F. Exec Dt: 06/21/1999

2 <u>LIU, CHAO-CHIA</u> Exec Dt: 06/21/1999

3 SRINIVAS, MURTHY Exec Dt: 06/21/1999

4 STROM, SUSAN E. Exec Dt: 06/21/1999

5 PARUPUDI, GOPAL Exec Dt: 06/21/1999

6 PLASTINA, DANIEL Exec Dt: 06/21/1999

7 CORRINGTNON, ROBERT E. Exec Dt: 06/21/1999

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

**REDMOND, WASHINGTON 98052** 

**Property** 

App # PCT # Pat # Pub #

09338352 NONE NONE NONE

C rrespondence name and address

MICHALIKE & WYLIE, PLLC

ALBERT S. MICHALIK

14645 BEL-RED ROAD

**SUITE 103** 

BELLEVUE, WA 98007

Assignment: 4

**Reel/Frame:** 010978/0070 Received: Recorded: Mailed: Pages: 08/10/2000 07/11/2000 09/26/2000 5

C nveyance: LETTERS OF ADMINISTRATION (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL Exec Dt: 06/07/2000

2 <u>REUS, EDWARD F.</u> **Exec Dt:** 06/15/2000

**3** EVANS, STEPHEN S. Exec Dt: 06/19/2000

4 GOERTZEL, MARIO C. Exec Dt: 06/28/2000

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT # Pat # Pub #

<u>09543053</u> NONE NONE NONE

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## Correspondence name and address

LEE & HAYES, PLLC LANCE R. SADLER **421 W. RIVERSIDE AVENUE SUITE 500** SPOKANE, WA 99201

Assignment: 5

**Reel/Frame:** <u>010936/0317</u> **Received:** 

Recorded: 06/26/2000 Mailed: 09/12/2000 Pages:

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

07/26/2000

Assignors

1 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

**2** EVANS, STEPHEN S.

Exec Dt: 06/15/2000

**3** HOLTGREWE, BURDETTE J.

Exec Dt: 06/07/2000

4 REUS, EDWARD F.

Exec Dt: 06/07/2000

Assignee

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT # Pat #

Pub#

09544253 NONE NONE NONE

C rrespondence name and address

LEE & HAYES, PLLC LANCE R. SADLER 421 W. RIVERSIDE AVE

SUITE 500

SPOKANE, WA 99201

**Assignment: 6** 

Reel/Frame: 010965/0209 Received: 08/07/2000

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Mailed: 09/21/2000

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C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 EVANS, STEPHEN S.

Exec Dt: 06/15/2000

2 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

**3** HOLTGREWE, BURDETTE J.

Exec Dt: 06/07/2000

4 REUS, EDWARD F.

Exec Dt: 06/07/2000

**5** BURNS, GREGORY

Exec Dt: 06/29/2000

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

**REDMOND, WASHINGTON 98052** 

**Property** 

App #

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NONE

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NONE

C rrespondence name and address

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LEE & HAYES, PLLC LANCE R. SADLER **421 W. RIVERSIDE AVENUE** SUITE 500 SPOKANE, WA 99201

Assignment: 7

**Reel/Frame:** 010978/0212 **Received:** 

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09/26/2000

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

2 REUS, EDWARD F.

**Exec Dt:** 06/07/2000

**3** EVANS, STEPHEN S.

Exec Dt: 06/15/2000

Assignee

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT#

Pat #

Pub#

NONE <u>09543052</u>

NONE

NONE

Correspondence name and address

LEE & HAYES, PLLC

LANCE R. SADLER

421 W. RIVERSIDE AVENUE, SUITE 500

SPOKANE, WASHINGTON 99201

**Assignment: 8** 

**Reel/Frame:** 010978/0217 **Received:** 

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C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

2 REUS, EDWARD F.

**Exec Dt:** 06/19/2000

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

**REDMOND, WASHINGTON 98052** 

**Property** 

App # PCT #

Pat #

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<u>09543054</u> NONE NONE NONE

Correspondence name and address

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LANCE R. SADLER

**421 W. RIVERSIDE AVE** 

SUITE 500

SPOKANE, WA 99201

Assignment: 9

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Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

2 REUS, EDWARD F.

Exec Dt: 06/07/2000

**3** EVANS, STEPHEN S.

Exec Dt: 06/15/2000

Assignee

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT #

Pat #

Pub #

09543055 NONE NONE

NONE

C rrespondence name and address

LEE & HAYES, PLLC

LANCE R. SADLER

421 W. RIVERSIDE AVE

SUITE 500

SPOKANE, WA 99201

Assignment: 10

**Reel/Frame:** <u>011395/0245</u> **Received:** 

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03/15/2001

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors

1 PARUPUDI, GOPAL

Exec Dt: 12/19/2000

2 EVANS, STEPHEN S.

Exec Dt: 12/19/2000 Exec Dt: 12/19/2000

3 REUS, EDWARD F.

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMONDS, WASHINGTON 98052

**Property** 

App # PCT # Pat # Pub#

09746923 NONE

NONE

US20020120370

Correspondence name and address

LEE & HAYES, PLLC

LANCE R. SADLER

421 W. RIVERSIDE AVE

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Assignment: 11

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Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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1 PARUPUDI, GOPAL

2 EVANS, STEPHEN S.

3 REUS, EDWARD F.

Exec Dt: 12/19/2000 Exec Dt: 12/19/2000 Exec Dt: 12/19/2000

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT # Pat # Pub #

09746918 NONE NONE <u>US20020119788</u>

Correspondence name and address

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**421 W. RIVERSIDE AVE** 

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**Assignment: 12** 

Reel/Frame: 011395/0403 Received:

**Recorded:** 12/22/2000

Mailed: 03/15/2001

Pages: 5

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

01/09/2001

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 12/19/2000

**2** EVANS, STEPHEN S.

Exec Dt: 12/19/2000

3 REUS, EDWARD F.

**Exec Dt:** 12/19/2000

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT #

T# Pat# Pub#

01/09/2001

09746924 NONE

NONE

<u>US20020122055</u>

C rrespondence name and address

LEE & HAYES, PLLC

LANCE R. SADLER

**421 W. RIVERSIDE AVENUE** 

SUITE 500

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**Assignment: 13** 

Reel/Frame: 011395/0458 Received:

**Recorded:** 12/22/2000

Mailed: 03/15/2001

Pages: 5

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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1 PARUPUDI, GOPAL

**Exec Dt:** 12/19/2000

2 EVANS, STEPHEN S.

Exec Dt: 12/19/2000

3 REUS, EDWARD F.

Exec Dt: 12/19/2000

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1 MICROSOFT CORPORATION

ONE MICROSOFT WAY REDMOND, WASHINGTON 98052

Pr perty

App # PCT # Pat # Pub #

09746936 NONE NONE <u>US20020124067</u>

Correspondence name and address

LEE & HAYES, PLLC LANCE T. SADLER 421 W. RIVERSIDE AVE SUITE 500 SPOKANE, WA 99201

Assignment: 14

**Reel/Frame:** 012975/0857 **Received:** Recorded: Mailed: Pages: 06/14/2002 06/03/2002 08/12/2002 5

ASSISTANCE ASSISTANCE ANTEREST (OFF DOCUMENT FOR DETAIL OF

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 COPELAND, BRUCE WAYNE Exec Dt: 05/30/2002

2 DREW, DANIEL NICHOLAS JOSEPH Exec Dt: 05/31/2002

3 <u>ELLIS, JOHN LEO</u> **Exec Dt:** 05/31/2002

4 OSBORNE, KENNETH MARK

Exec Dt: 05/31/2002

5 PAN, ZHENGKAI KENNETH Exec Dt: 05/31/2002

6 PARUPUDI, GOPAL Exec Dt: 05/31/2002

7 WILSON, RUSSELL TODD Exec Dt: 05/31/2002

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

**REDMOND, WASHINGTON 98052** 

**Property** 

 App #
 PCT #
 Pat #
 Pub #

 10162851
 NONE
 NONE
 NONE

10162851 NONE NONE NO Correspondence name and address

LEE & HAYES, PLLC BRIAN G. HART 421 WEST RIVERSIDE AVENUE

SUITE 500

SPOKANE, WA 99201

Search Results as of: 4/30/2003 2:29:04 P.M.

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b